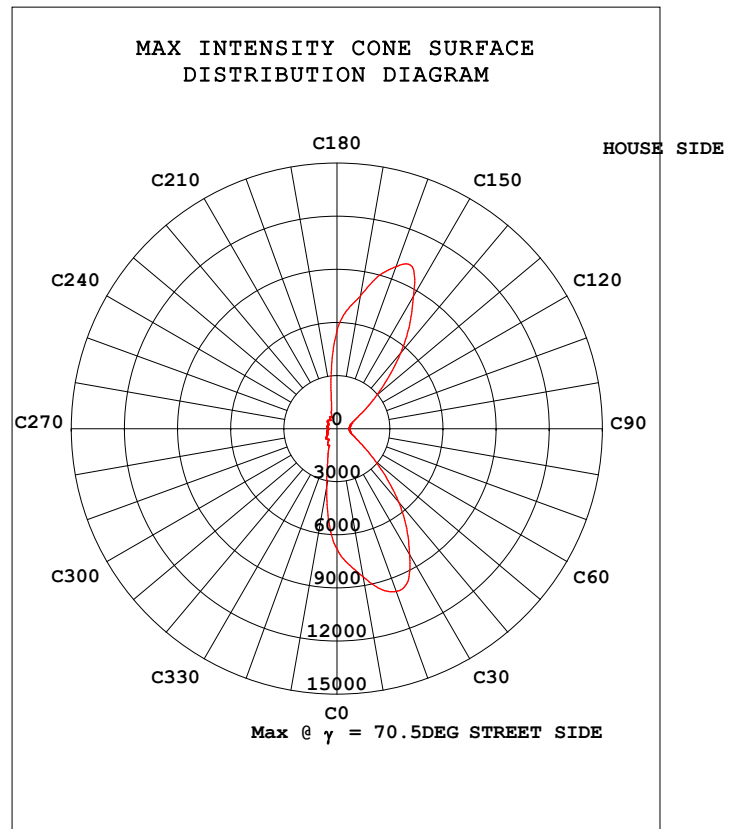
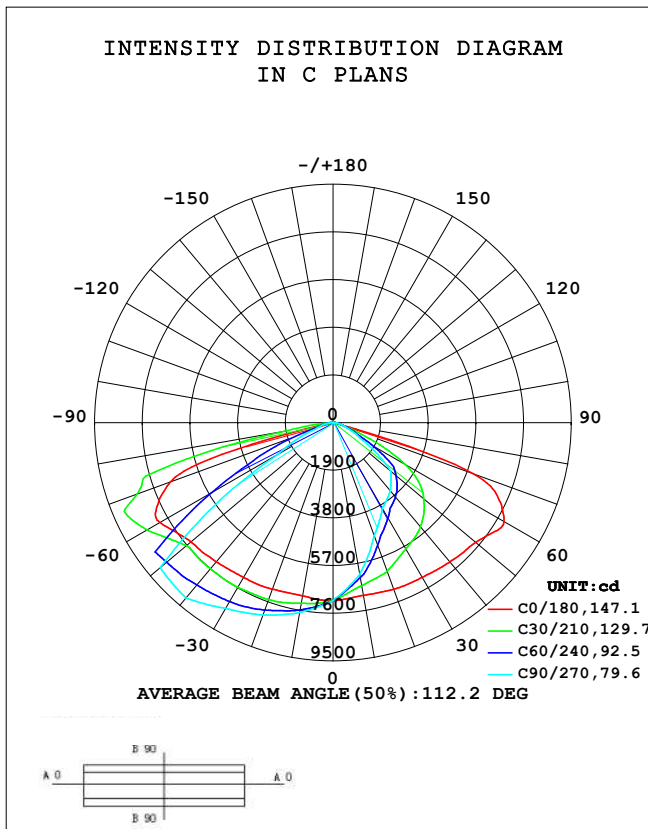


## STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.8407A P:181.7W PF:0.9788 Lamp Flux:25716x1 lm					
NAME: OPCITYIII-180W-4070-6C1T3M-0612			TYPE:LED		WEIGHT:
SPEC.:			DIM.: 0.54X0.26X0.04		SERIAL No.:1
MFR.: LUXSUN			SUR.:0.18X0.22		Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 141.51 lm/W			
MODEL	LED	Imax(cd)	10091	$\eta$ street_up(%)	0.0
NOMINAL POWER(W)	180	LOR(%)	100.0	$\eta$ street_down(%)	51.6
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	25716	$\eta$ house_up(%)	0.0
NOMINAL FLUX(lm)	25716	MAXIMUM @ (C, $\gamma$ )	155,70.5	$\eta$ house_down(%)	48.4
LAMPS INSIDE	1	$\eta$ up(%)	0.0	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	220	$\eta$ down(%)	100.0	SLI	19.073



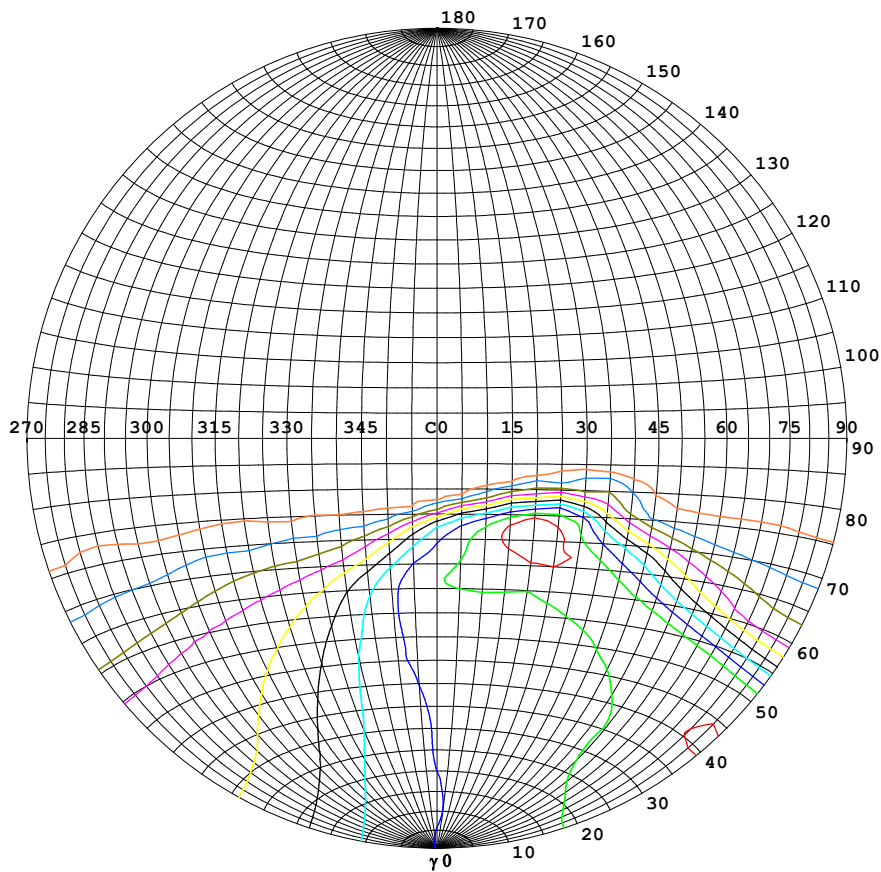
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

Note: SLI: Specific Luminaire Index

## STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.8407A P:181.7W PF:0.9788 Lamp Flux:25716x1 lm		
NAME: OPCITYIII-180W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



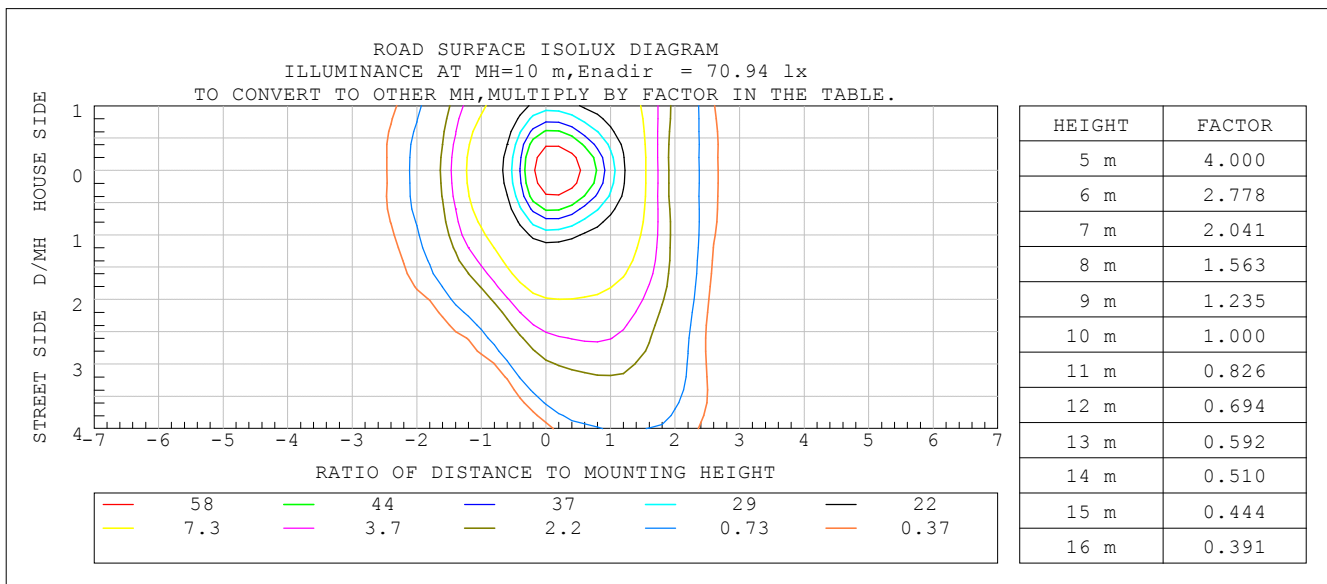
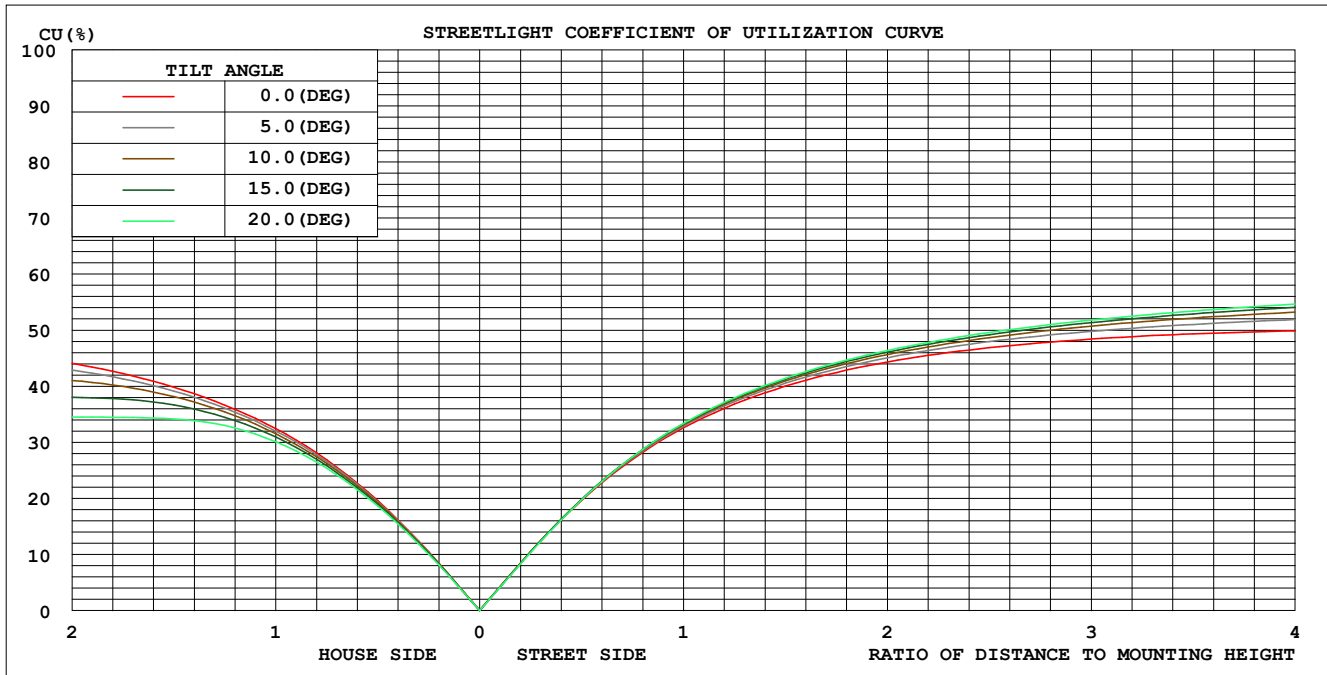
## Classification:

IES:Type IV - Medium  
CIE:Broad - Long  
IES:Cut-off  
CIE:Semi-cut-off  
Max.At80:94.74cd/klm  
Max.At90:3.740cd/klm  
Max.80-90:94.74cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	10091
90%	9082
80%	8073
70%	7063
60%	6054
50%	5045
40%	4036
30%	3027
20%	2018
10%	1009
5%	505

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

gamma Range: 0 - 90DEG  
gamma Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.8407A P:181.7W PF:0.9788 Lamp Flux:25716x1 lm		
NAME: OPCITYIII-180W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

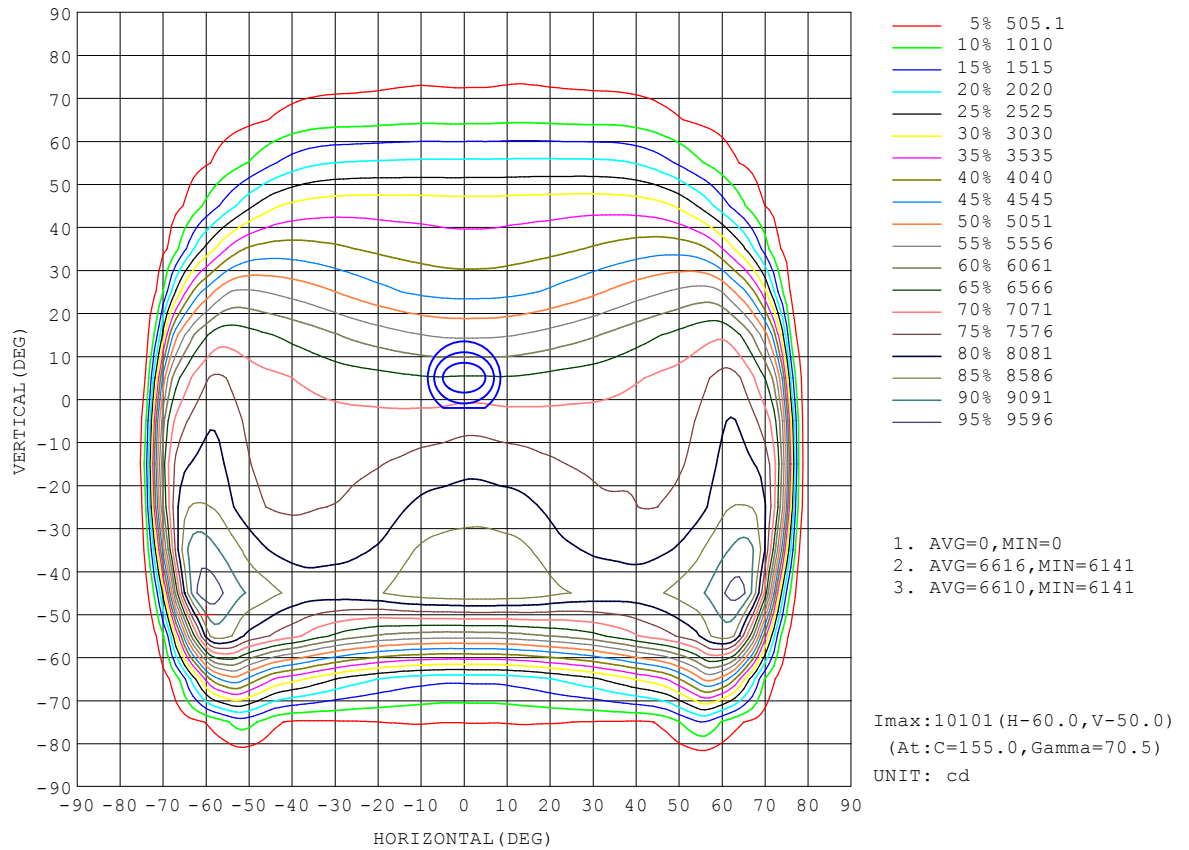
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	*lum,lamp
5	707.2	729.6	739.1	725.9	703.0	673.5	661.8	675.4	0- 5	168.5	168.5	0.66,0.66
10	701.4	745.5	768.9	740.6	699.3	641.8	614.1	641.7	5- 10	498.7	667.1	2.59,2.59
15	701.9	761.7	792.4	756.5	701.1	613.6	546.7	610.3	10- 15	817.2	1484	5.77,5.77
20	706.4	774.0	816.0	765.3	706.9	570.7	479.4	567.1	15- 20	1118	2602	10.1,10.1
25	711.4	781.0	835.4	773.4	709.9	530.0	436.6	524.6	20- 25	1399	4001	15.6,15.6
30	712.8	784.6	854.8	774.9	712.1	498.0	393.8	492.0	25- 30	1665	5667	22,22
35	717.1	781.4	883.6	772.2	717.8	467.1	374.8	461.6	30- 35	1917	7583	29.5,29.5
40	724.2	783.4	912.4	772.4	724.7	434.4	355.9	429.3	35- 40	2159	9742	37.9,37.9
45	732.6	801.8	906.0	794.6	732.6	409.7	328.1	407.9	40- 45	2380	12122	47.1,47.1
50	739.6	828.5	899.7	822.5	742.9	374.0	300.3	377.3	45- 50	2566	14687	57.1,57.1
55	762.6	841.8	857.0	836.5	770.3	323.3	212.5	332.8	50- 55	2645	17333	67.4,67.4
60	797.2	830.0	854.4	830.2	787.7	254.9	124.8	273.3	55- 60	2477	19810	77,77
65	771.0	656.8	163.4	674.0	731.6	150.5	89.39	171.2	60- 65	2176	21986	85.5,85.5
70	690.1	432.2	72.43	444.7	593.4	72.52	54.00	89.62	65- 70	1809	23795	92.5,92.5
75	332.7	109.5	51.70	119.7	40.87	39.73	37.24	44.68	70- 75	1242	25037	97.4,97.4
80	31.53	47.41	30.96	50.84	18.69	22.81	20.47	25.37	75- 80	525.3	25562	99.4,99.4
85	16.49	10.76	0	9.730	7.719	5.723	0	6.457	80- 85	137.1	25699	99.9,99.9
90	9.618	0	0	0	8.416	0	0	0	85- 90	16.99	25716	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:×10cd								UNIT:lm			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-25

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

## ISOCANDELA DIAGRAM

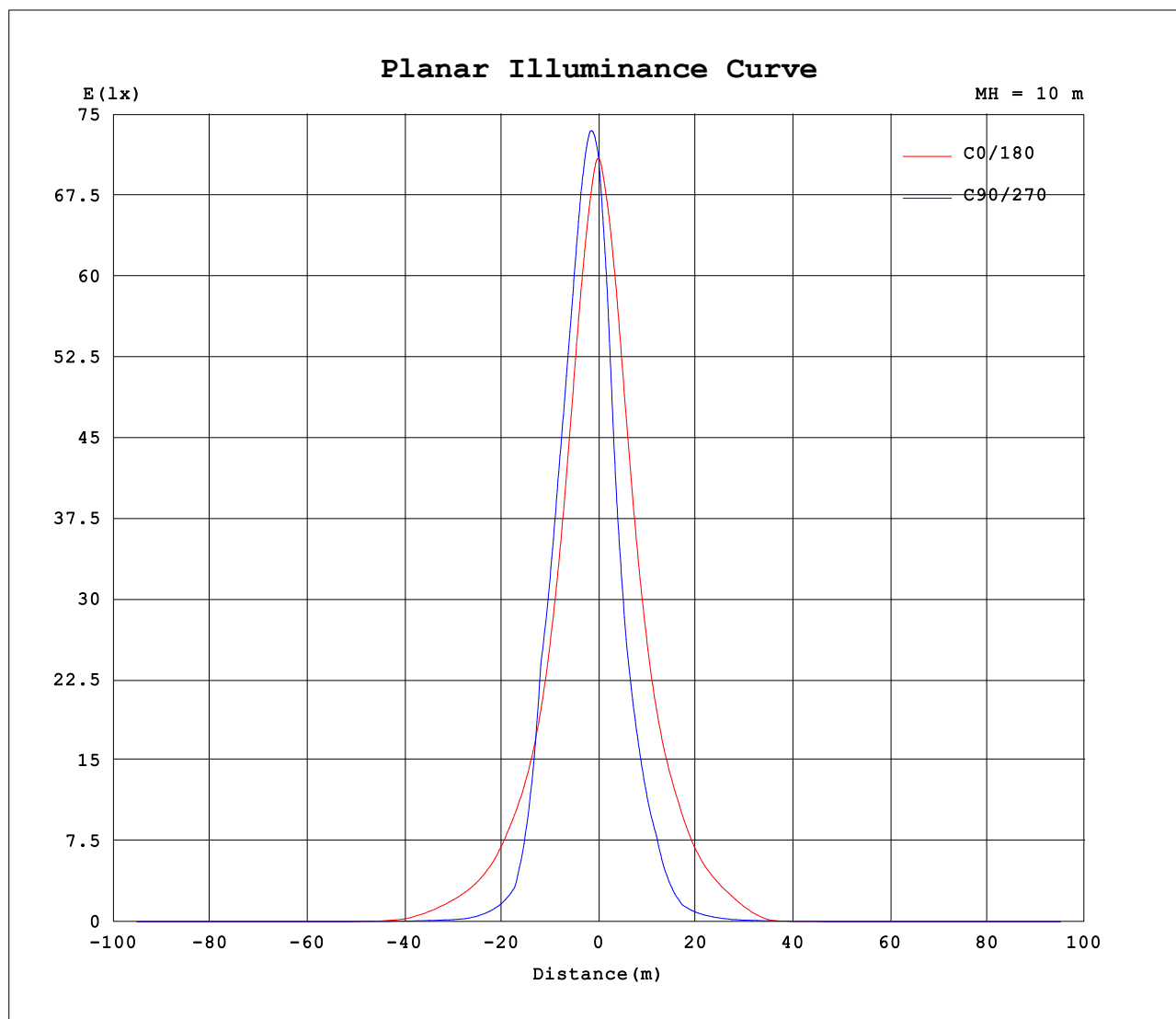
Test:U:220.8V I:0.8407A P:181.7W PF:0.9788 Lamp Flux:25716x1 lm		
NAME: OPCITYIII-180W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

## Planar Illuminance Curve



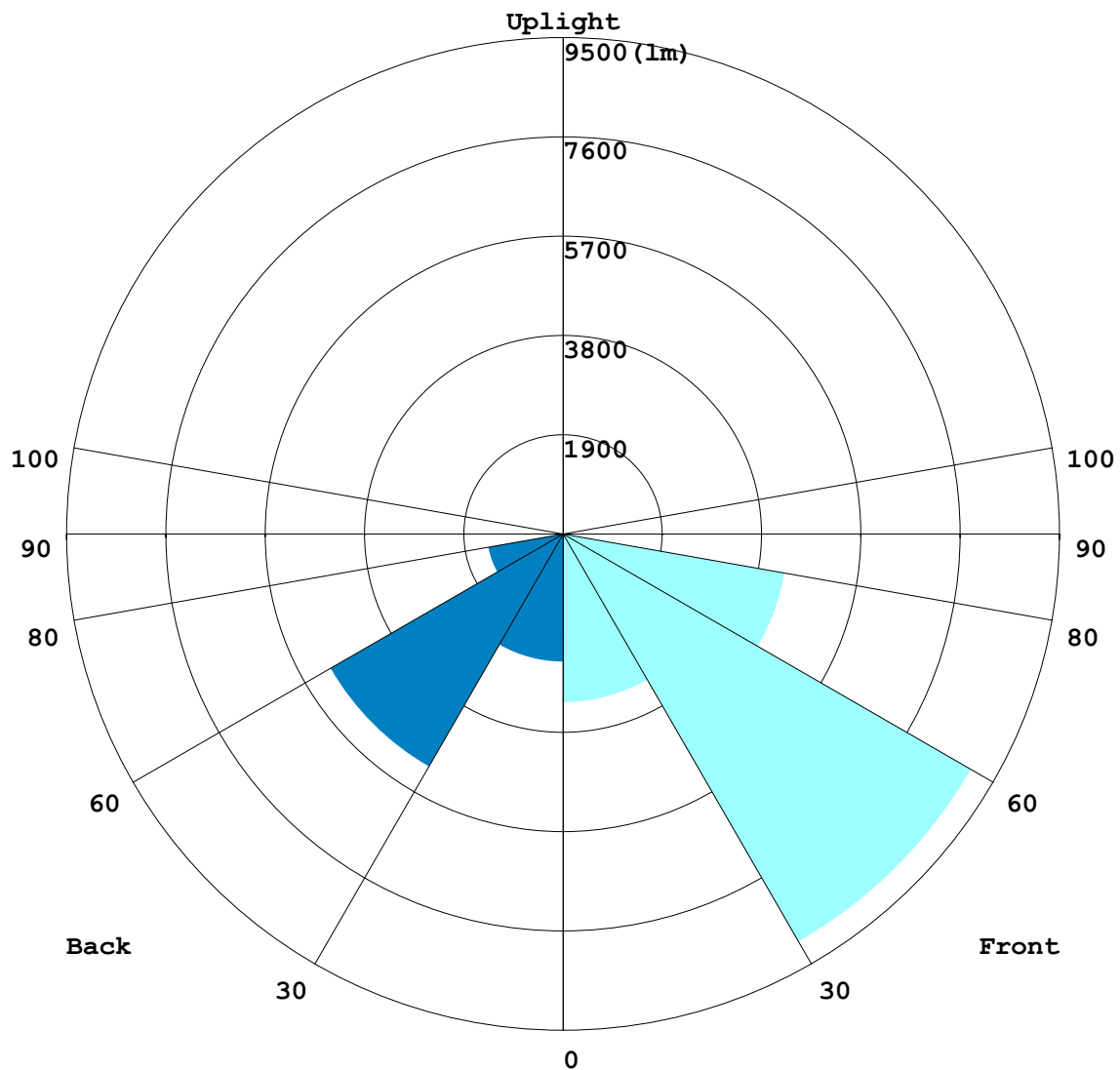
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity: 65.0%  
Test Distance: 7.370m [K=1.0000]  
Remarks:

## LCS REPORT

Test:U:220.8V I:0.8407A P:181.7W PF:0.9788 Lamp Flux:25716x1 lm		
NAME: OPCITYIII-180W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

## LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

### BUG REPORT

Test:U:220.8V I:0.8407A P:181.7W PF:0.9788 Lamp Flux:25716x1 lm		
NAME: OPCITYIII-180W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

#### IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	3221	12.5
FM - Front-Medium(30-60)	9007.2	35.0
FH - Front-High(60-80)	4300.2	16.7
FVH - Front-Very High(80-90)	108.35	0.4
Total Forward Light	16637	64.7

BL - Back-Low(0-30)	2445.9	9.5
BM - Back-Medium(30-60)	5135.6	20.0
BH - Back-High(60-80)	1452	5.6
BVH - Back-Very High(80-90)	45.698	0.2
Total Back Light	9079.3	35.3

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B4-U0-G3
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	9079.3	0	9079.3
Street Side	16637	0	16637

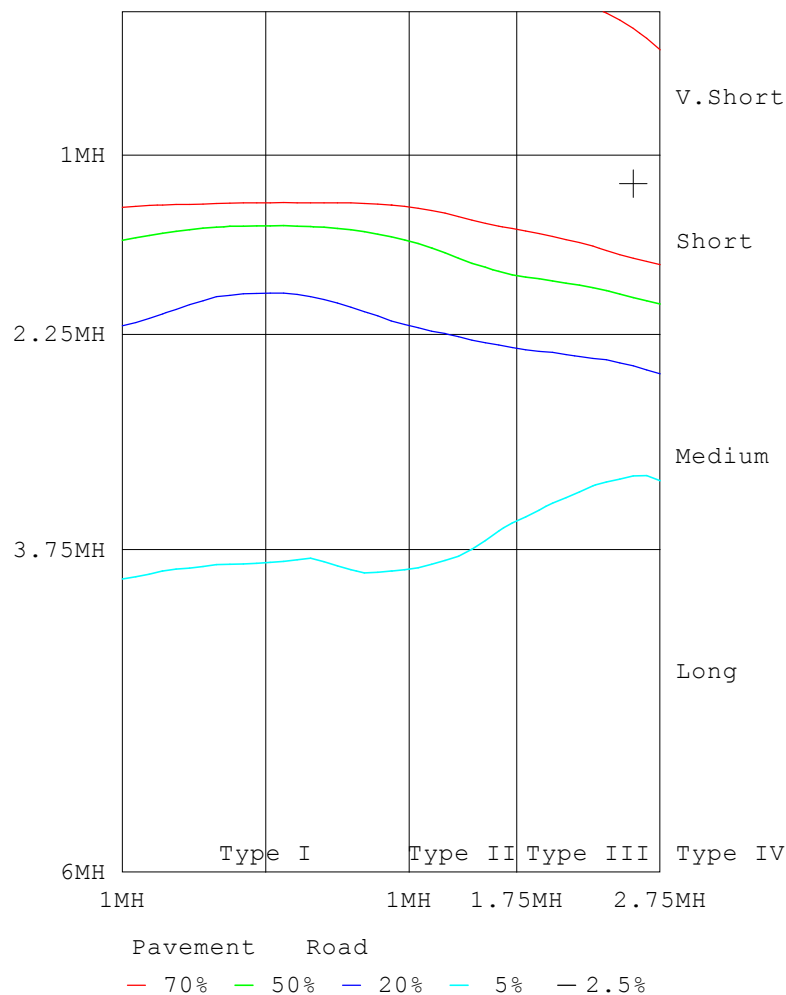
C Range: 0 - 360DEG  
C Interval: 5.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2022-08-25

γ Range: 0 - 90DEG  
γ Interval: 0.5DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
Humidity:65.0%  
Test Distance:7.370m [K=1.0000]  
Remarks:

### ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.8407A P:181.7W PF:0.9788 Lamp Flux:25716x1 lm		
NAME: OPCITYIII-180W-4070-6C1T3M-0612	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.54X0.26X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.18X0.22	Shielding Angle:

#### ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2022-08-25

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.351  
 Humidity:65.0%  
 Test Distance:7.370m [K=1.0000]  
 Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```